

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Complete if Known**

(Use as many sheets as necessary)

|                        |                     |
|------------------------|---------------------|
| Application Number     | 10/518,861          |
| Filing Date            | 03/21/2005          |
| First Named Inventor   | Kenichiro Kosai     |
| Art Unit               | 1633                |
| Examiner Name          | Maria Gomez Leavitt |
| Attorney Docket Number | 042-301             |

## U. S. PATENT DOCUMENTS

| FOREIGN PATENT DOCUMENTS |              |   |                                   |  |   |    |
|--------------------------|--------------|---|-----------------------------------|--|---|----|
| Examiner<br>Initials*    | Cite<br>No.† | Foreign Patent Document                       | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | †¶ |
|                          |              | Country Code*† Number*† Kind Code* (if known) |                                   |  |   |    |
|                          |              |   |                                   |  |   |    |
|                          |              |   |                                   |  |   |    |
|                          |              |   |                                   |  |   |    |
|                          |              |   |                                   |  |   |    |
|                          |              |   |                                   |  |   |    |

EXAMINER: Initial *if reference* considered, whether or not citation is in conformance with MPF 699. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). \* See King Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPF 901.04. \* Error Office that issued the document, by the two-letter code (WIPO Standard 32.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by which the rights as indicated on the document under WIPO Standard ST 16 if possible. \* Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including checking, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20593-1400. IF YOU HAVE ANY COMMENTS, PLEASE SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22304-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /ML/

PTO/SB/088 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |   |                          |                     |                        |         |
|--|---|--------------------------|---------------------|------------------------|---------|
| Substitute for form 1449/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br><i>(Use as many sheets as necessary)</i> |   | <b>Complete if Known</b> |                     |                        |         |
|  |   | Application Number       | 10/518,861          |                        |         |
|  |   | Filing Date              | 03/21/2005          |                        |         |
|  |   | First Named Inventor     | Kenichiro Kosai     |                        |         |
|  |   | Art Unit                 | 1633                |                        |         |
|  |   | Examiner Name            | Maria Gomez Leavitt |                        |         |
| Sheet  | 2 | of                       | 2                   | Attorney Docket Number | 042-301 |

| NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials*              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
| /ML/                            | 1                     | JAMES A. THOMSON ET AL., "Isolation of a Primate Embryonic Stem Cell Line," Proc. Natl. Acad. Sci., USA, Vol. 92, pp.7844-7848, August 1995, Developmental Biology  |                |
| /ML/                            | 2                     | JON S. ODORICO ET AL., "Stem Cells; Multilineage Differentiation from Human Embryonic Stem Cell Lines," Published in "Stem Cells", 2001; 19; 193-204.   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |

|                    |                 |                 |            |
|--------------------|-----------------|-----------------|------------|
| Examiner Signature | /Maria Leavitt/ | Date Considered | 02/13/2008 |
|--------------------|-----------------|-----------------|------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /ML/